

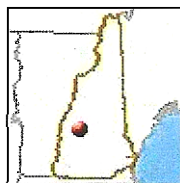
Name: ENFIELD CENTER
 Date: 1/19/2007
 Scale: 1 inch equals 2000 feet

Location: 043.6164864° N 072.1408066° W
 Caption: Enfield, 13185D, X-A000(527)

Exhibit A

NH GRANIT DATA MAPPER

Base Map: Enfield, 13185D, X-A000(527)



Location Map



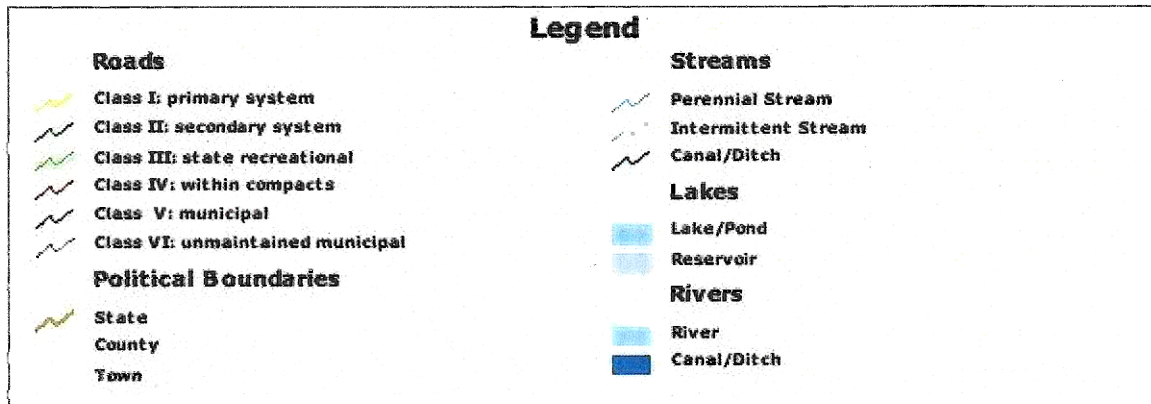
Map Produced:
March 06, 2007



Exhibit B

NH GRANIT DATA MAPPER

Base Map: Enfield, 13185D, X-A000(527)



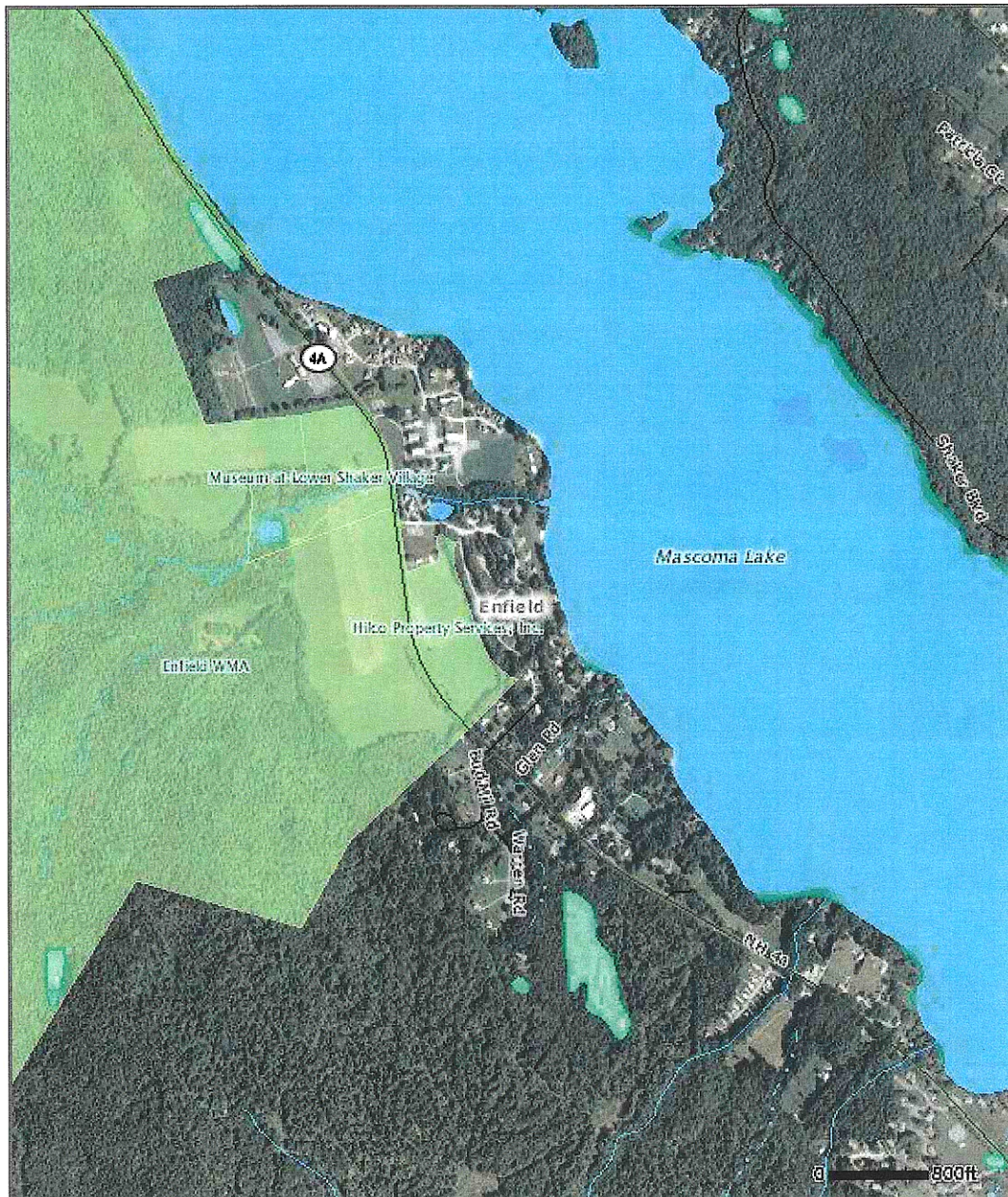
Data Sources

All data are maintained and/or distributed by NH GRANIT. See www.granit.sr.unh.edu for detailed documentation on individual data layers.

Digital data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center, under contract to the NH Office of Energy and Planning, and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OEP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

NH GRANIT DATA MAPPER

Land Conservation: Enfield, 13185D, X-A000(527)



Location Map



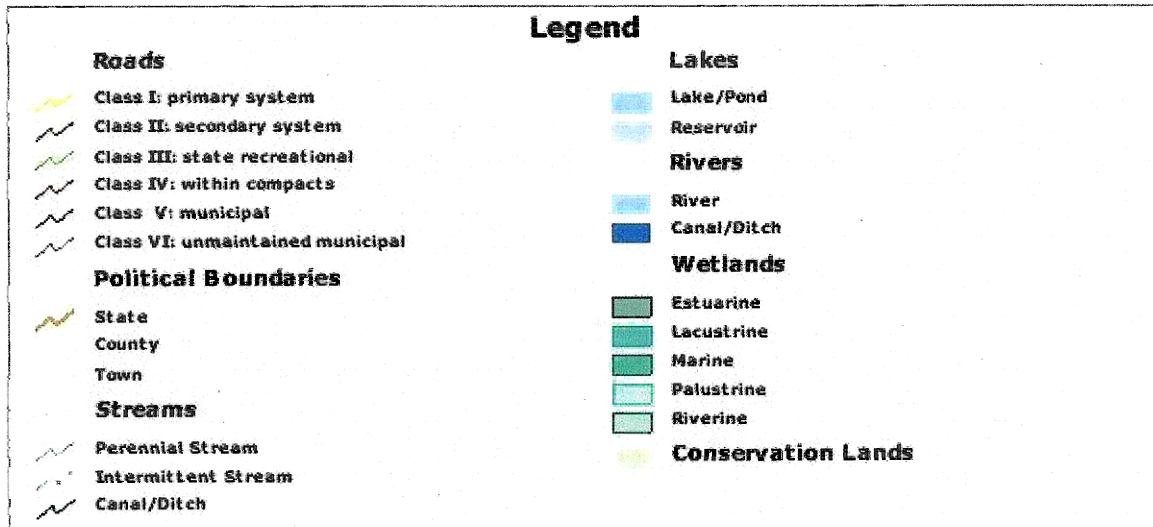
Map Produced:
March 06, 2007



Exhibit C

NH GRANIT DATA MAPPER

Land Conservation: Enfield, 13185D, X-A000(527)



Data Sources

All data are maintained and/or distributed by NH GRANIT. See www.granit.sr.unh.edu for detailed documentation on individual data layers.

Digital data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center, under contract to the NH Office of Energy and Planning, and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OEP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.



CAROL A. MURRAY, P.E.
Commissioner

JEFF BRILLHART, P.E.
Assistant Commissioner

Enfield
13185D
X-A000(527)
Page 1

No Adverse Effect Memo

Pursuant to meetings and discussions on May 8 and August 1, 2003, April 7, 2005, and November 9, 2006, and for the purpose of compliance with regulations of the National Historic Preservation Act and the Advisory Council on Historic Preservation's *Procedures for the Protection of Historic Properties* (36 CFR 800), the NH Division of Historical Resources (NHDHR) and the NH Division of the Federal Highway Administration (FHWA) have coordinated the identification and evaluation of historical and archaeological resources with plans to rehabilitate the pavement, add shoulders, and improve drainage and sight distance beginning 3 miles southeast of US Route 4 and extending 1.2 miles southeast in the Town of Enfield, New Hampshire.

Based on a review pursuant to 36 CFR 800.4 of the architectural and historical significance of the resources in and adjacent to the project area, it was determined that the Shaker Village Historic District is listed on the National Register of Historic Places under criteria A and C. A detailed description of the district is on file at the New Hampshire Division of Historical Resources in Concord, New Hampshire. The district includes conservation (LCIP) lands. Applying the criteria of effect at 36 CFR 800.5, it was mutually agreed that the project will not adversely impact the district. All work associated with the subject project will remain within the existing NHDOT right-of-way with the exception of five locations at stations 148, 150+20, 152, 161 and 161+70. These locations were previously reviewed with NHDHR, and it was agreed that archaeological testing at the first three stations found that they lack integrity. It is hereby agreed that if archaeological resources are located during construction at stations 161 and 161+70, work will be halted, and if necessary, the deposits tested and recovered by a qualified archaeologist. No additional survey is required.

If there should be very limited associated permanent easements, in addition, with NHDHR concurrence of no adverse effect for the above undertaking, and in accordance with Section 6009(a) of the 2005 SAFETEA-LU transportation program reauthorization, FHWA intends to, and by signature below, does make a finding of *de minimis* impact. NHDHR's signature below represents concurrence with both the no adverse effect determination and the *de minimis* finding. Parties to the Section 106 process have been consulted and their concerns have been taken into account. Therefore, the requirements of Section 4(f) have been satisfied.

In accordance with the Advisory Council's regulations, we will continue to consult, as appropriate, as this project proceeds.

BOE will monitor during initial phases of construction in areas determined potentially sensitive.

Exhibit D

Enfield
13185D
X-A000(527)
Page 2: No Adverse Effect Memo

Linda Ray Wilson DSHPO
Linda Wilson, Deputy
State Historic Preservation Officer

Kathleen O. Laffey
Kathleen O. Laffey, Administrator
Federal Highway Administration

Concurred with by the NH Department of Transportation

Date: Nov. 9, 2006

By:

Joyce McKay
Joyce McKay
Cultural Resources Manager

c.c. Linda Wilson, NHDHR
Harry Kinter, FHWA
S:\CREEP\13185b-d Enfield\memo.doc

Jon Evans, NHDOT
Alex Vogt, NHDOT

Initial Site Assessment (ISA) Checklist

Project Name: Lebanon-Enfield
Federal Number: X-A000(527)
State Number: 13185D

Date: 3/6/2007
Reviewer: J. Evans

1. Project Features:

New R/W Yes Excavation Yes Relocate Utilities Yes

2. Review of Existing Information (Check Sources used)

DES Files ☒

Sanborn Insurance Maps ☐

Local Officials ☒

Aerial Photos (List Dates) ☐

Fire Department ☒

Chain of Title (R/W) ☐

Land Owners/Interviews ☐

Other

Does the review of existing information indicate the presence or potential presence of hazardous materials? (If yes, identify, locate and explain.)

Yes. One (1) remediation site is located in close proximity to the project area. The location and file information of this site can be found on the attached map and activity lists. This site has been listed by NHDES as "Closed." Although this file indicates the potential presence of hazardous materials, the issues associated with this site has been examined by NHDES and given its "Closed" status is considered to have been adequately addressed.

3. Field Review of Project Area (attach photos, if taken).

Setting (Undeveloped/Rural/Urban) Rural.

Land Uses (Industrial, Commercial, Residential, Agricultural, Forested):

Current Predominant Land Uses Forested/residential

Previous Predominant Land Uses Forested/residential

Associated Land Uses Forested/residential

Adjacent Land Uses Forested/residential

Storage Structures (Observed or Suspected)

Underground Tanks ☐

Drums ☐

Surface Tanks ☐

Basins ☐

Transformers ☐

Landfills ☐

Sumps ☐

Others _____

Ponds ☐

Contamination

Surface Staining ☐

Vegetation Damage ☐

Oil Sheen ☐

Dead Fauna ☐

Odors ☐

Other ☐

None ☒

Potential Asbestos Containing Materials*

Buildings ☐

Serpentine ☐

Sprayed-On Fireproofing ☐

Pipe Wrap ☐

Acoustical Plaster ☐

Friable Tape ☐

Fill Material ☐

None ☒

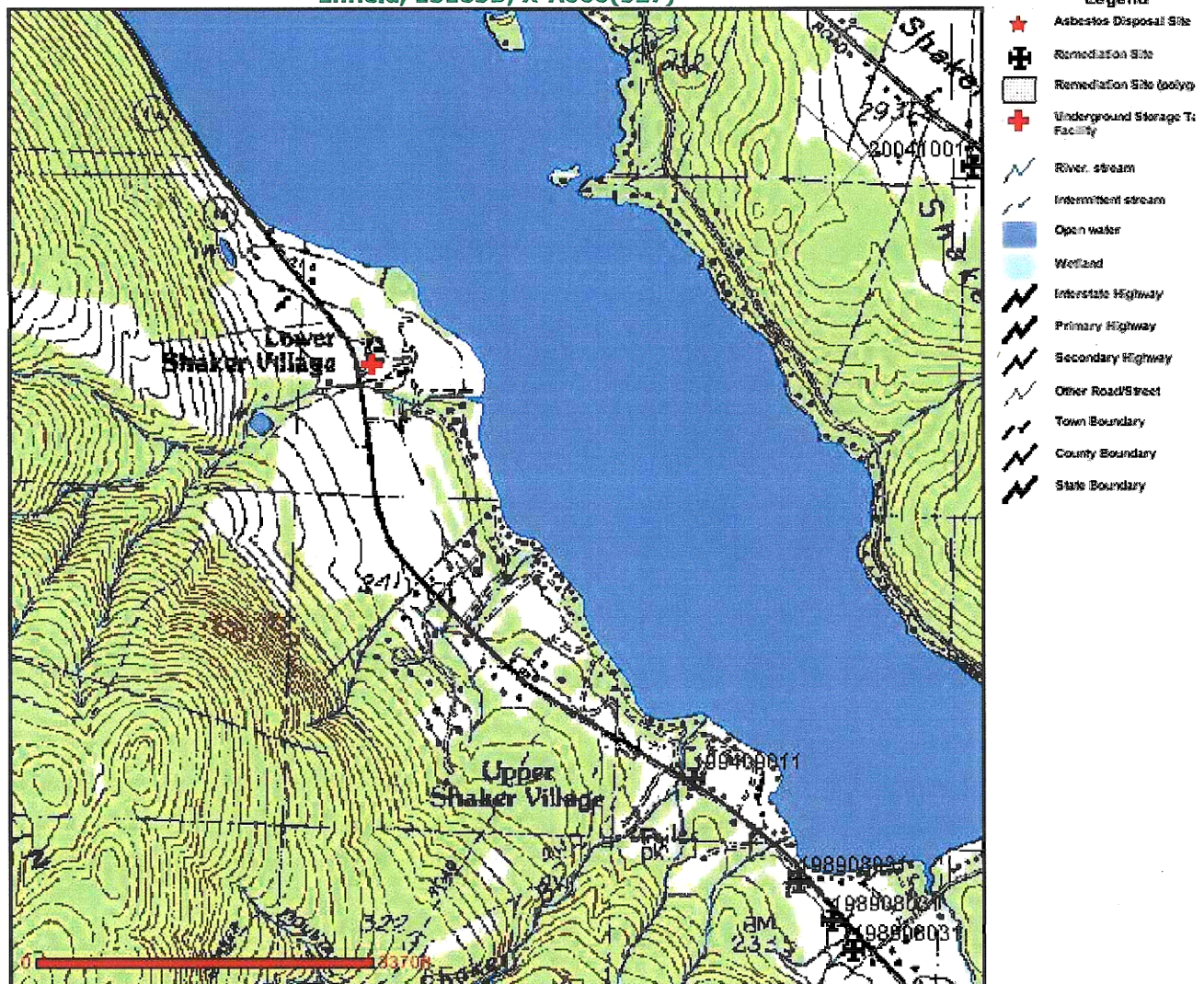
Does the field review indicate the presence or potential presence of hazardous materials? (If yes, identify, locate, and explain.)

No. A field review conducted on February 9, 2007 did not indicate the presence or potential presence of hazardous materials.

*** The Bureau of Right-of-Way should be notified when buildings possibly containing asbestos are to be taken or moved.**



Enfield, 13185D, X-A000(527)



Map Scale = 1 : 25484 (1" = 2124 feet or 0.4 miles)

The information contained in the OneStop Program GIS is the best available according to the procedures and standards of each of the contributing programs and of the GIS. The different programs are regularly maintaining the information in their databases. As a result, the GIS may not always provide access to all existing information, and it may occasionally contain unintentional inaccuracies. The Department can not be responsible for the misuse or misinterpretation of the information presented by this system.

Map prepared 3/6/2007 1:31:35 PM



Developed
cooperation
NH GRAN.

Remediation Sites

Features returned: 1 of 8545.

MASTER ID	SITE ID	SITE NAME	ADDRESS	TOWN	PROJECT TYPE	PROJECT MANAGER	WORKLOAD PRIORITY	RISK	PERMIT#	TAX MAP	TAX LOT
1415	199409011	DICK'S CITGO	ROUTE 4A	ENFIELD	UIC	CLOSED	3	8	NA	36	

Jonathan Evans

From: Walker, Steve [Steve.Walker@nh.gov]
Sent: Friday, January 26, 2007 1:50 PM
To: Jonathan Evans
Cc: Dave Mikolaities (E-mail)
Subject: RE: Lebanon Enfield Rte 4A, 13185D, 13185B

Hi Jon, Just got back from a walk, cold going into the wind. There are two pieces to the LCIP land. The "Lower Shaker" 17 acre parcel which F&G has a Conservation Easement on and we monitor, and the Fee land they own, 1095 acres. (You can see it all on GRANIT <http://mapper.granit.unh.edu/viewer.jsp>) I learned Wednesday there is no impact to the CE parcel which comes under us. The culvert is in the D project area and that is what I was referencing earlier and will talk to Dave about. The B project also abuts the Fee land and again that would be F&G's bailiwick (and we would help as requested). I am not aware of any impact to that, but you can double check with Bob. There was an emergency / safety issue we helped F&G address earlier that is up in that area. I am not sure if that was ever resolved but a letter to Charlie Hood was sent by Lee Perry 8/17/05 to address that specific issue.

I'll ask Dave to copy you on any letter. keep in touch and we'll help in whatever way we can. If you want me to Cc anyone else let me know. DOT projects need to involve so many people I don't want to leave anyone out that should be in the loop. cheers

-----Original Message-----

From: Jonathan Evans [mailto:JEvans@dot.state.nh.us]
Sent: Friday, January 26, 2007 12:36 PM
To: Walker, Steve
Subject: RE: Lebanon Enfield Rte 4A, 13185D, 13185B

Steve.

Thanks for your help. Sorry I missed the meeting the other day. I am assuming this e-mail is in reference to my initial contact letter sent earlier this week. I was aware of this property which is why I asked Bob to present the impacts to this property. I apologize, I meant to send you an e-mail noting this, but you beat me to the punch.

In addition to officially finding out about this property, I also wanted to find out if there were any other parcels besides the property you previously referenced. Hopefully you have noticed that the letter referenced two projects areas, Enfield 13185D and Enfield 13185B. The property which you have noted is on the "D" job. Are there any other properties I should be aware of on either the "D" or "B" jobs? If not, could you just respond back to this e-mail that there are no other CLS/LCIP properties within the project area. I need this backup information to put into the environmental document.

Also, could you have Dave cc me on the letter to Bob? This will help me coordinate the environmental documentation more easily.

Thank you very much for your speedy response as well as your assistance in coordinating further discussion with NHF&G.

Have a great weekend...and try to stay warm.

Jon
~~~~~  
Jonathan Evans  
Environmental Manager  
NH Department of Transportation  
Bureau of Environment  
Phone: (603)271-4048  
Fax: (603)271-7199

**Exhibit F**

-----Original Message-----

From: Walker, Steve [mailto:Steve.Walker@nh.gov]

Sent: Friday, January 26, 2007 11:45 AM

To: Jonathan Evans

Subject: Lebanon Enfield Rte 4A

On Wednesday there was an environment meeting at DOT that I attended. There is a potential tiny impact to Fee-owned LCIP land in the form of a culvert replacement that. I have discussed this with Bob Davis and we feel the issue can be resolved easily through a letter from Dave Mikolaities at NHF&G to DOT and are working toward that end. Dave has the drawings and I will be discussing it Monday at 8 with him. After that I think it will be handled directly between Bob and Dave via the letter. I suggest contacting Bob for further info. If you think I can help further, please feel free to contact me as well. Have a good weekend.

Note 3/9/07

- The above referenced parcel is parcel 15.  
At this time the Department  
does not intend to do any work  
on this property.

- JAL



## Jonathan Evans

---

**From:** Victoria Chase  
**Sent:** Thursday, February 22, 2007 6:50 AM  
**To:** Jonathan Evans  
**Cc:** Alex Vogt; Charles Hood; Bob Davis; Michael Fudala  
**Subject:** RE: NHDOT Construction Plans for Route 4A - Enfield (State Project 13185D)

I did speak with fish and games ag, and suggested we not pursue an MOA but for them to write us a letter requesting the drainage work be completed. They are thinking about that and are supposed to get back to me...  
someone was on vacation until early march...and they needed that person to weigh in  
Victoria

---

Victoria H Chase, P.E.  
Right of Way Engineer  
NHDOT  
phone: 603.271.3222  
fax: 603.271.6915

-----Original Message-----

**From:** Jonathan Evans  
**Sent:** Tuesday, February 20, 2007 2:45 PM  
**To:** Victoria Chase  
**Cc:** Alex Vogt; Charles Hood; Bob Davis; Michael Fudala  
**Subject:** FW: NHDOT Construction Plans for Route 4A - Enfield (State Project 13185D)

Victoria,

Have we been able to coordinate with the AG's office to obtain this MOA? I need this for the environmental document.

Thanks,  
Jon

-----Original Message-----

**From:** Alex Vogt  
**Sent:** Wednesday, January 31, 2007 1:08 PM  
**To:** Victoria Chase  
**Cc:** Bob Davis; Michael Fudala; Jonathan Evans  
**Subject:** FW: NHDOT Construction Plans for Route 4A - Enfield (State Project 13185D)

Victoria,

RE: Enfield 13185D ROW drainage easement on State of NH Fish & Game.

See below proposal for a Memorandum of Agreement (MOA) instead of an easement. This is acceptable to me. Is it acceptable to you (and the AG's office). If it is, would you have draft MOA? Otherwise, I think we will have to pull off and leave the existing pipe as is. Thanks,

Alex Vogt, Project Manager  
NH DOT Highway Design  
271-2230  
Fax 271-7025

-----Original Message-----

**From:** David Mikolaities [mailto:david.mikolaities@WILDLIFE.STATE.NH.US]

Sent: Wednesday, January 31, 2007 9:34 AM  
To: Alex Vogt; rdavis@dot.state.nh.us; Jonathan Evans  
Cc: Walker, Steve; Daniel Lynch; Jeffrey Everett; Brooks, K. Allen  
Subject: NHDOT Construction Plans for Route 4A - Enfield (State Project 13185D)

Alex, Bob and Jonathan,

Recently, Steve Walker (Conservation Land Stewardship Program) at the Office of Energy and Planning contacted me and provided me with plans of the proposed work to be performed along Route 4A in Enfield. He mentioned that the plans were presented at the January 24, 2007 Natural Resource Agencies Coordination Meeting held at NHDOT. The item in question (which is minor relative to the overall project) is the replacement of an existing culvert that extends approximately 2-feet beyond the existing right of way onto the NHFG owned Enfield Wildlife Management Area that was acquired in fee through the Land Conservation Investment Program (LCIP). The culvert is located on the west side of Route 4A in between station 154+40 and 157+60 as per the drawings provided.

I realize that the culvert pre-existed the LCIP acquisition, the scope of replacement is very minor, and that from a common sense engineer's perspective, there is no measurable impact to the NHFG property from the proposed culvert replacement. However, situations such as this would typically be addressed through the acquisition of a drainage easement (temporary or permanent) which would involve going through the lengthy CORD process.

Since two state agencies are involved, and the replacement of the culvert would be in-kind rather than extend beyond the existing culvert's location, it makes more sense from a practical standpoint to define the parameters of the replacement through a simple memorandum of agreement (MOA). If this is acceptable to you, please query your land agent and Attorney General (I have cc: ours in this email).

If I have missed something or if you can think of another alternative, I'd be more than happy to listen and/or assist. Please note that I'll be out of the office starting next Monday (February 5th) for three weeks performing my military reserve commitment. If you need assistance during that time frame, please contact our land agent, Jeff Everett, at 271-1133.

Thanks,  
David J. Mikolaities, P.E.  
Land Resources Bureau Supervisor  
New Hampshire Fish and Game Department  
11 Hazen Drive  
Concord, NH 03301  
603-271-1134 (Phone)  
603-271-6938 (Fax)



CHH CHH JAE-JAE

State of New Hampshire  
INTER-DEPARTMENT COMMUNICATION

---

To: Jonathan A. Evans  
Environmental Manager  
NH Dept. of Transportation

From: Shari Colby, Community Outreach Specialist (SC)  
Dept. of Resources and Economic Development  
Division of Parks and Recreation

Date: January 30, 2007

Subject: Lebanon-Enfield, 13185B, 13185D, X-A000(527)

---

This communication is in response to your memo dated January 24, 2007 regarding the rehabilitation of two sections of NH Route 4A in Enfield NH beginning at the Enfield/Lebanon town line. The following 6(f) properties are located in the towns of Enfield and Lebanon:

- ☐ 33-00073 (Storrs Hill Ski Area – **Lebanon**)
- ☐ 33-00126 (Huse Park – **Enfield**)
- ☐ 33-00204 (West Side Recreation Area – **Lebanon**)
- ☐ 33-00277 (**Lebanon** Community Gardens)
- ☐ 33-00394 (George Pond Tract Addition – **Enfield**)
- ☐ 33-00428 (Farnum Hill Reserve – **Lebanon**)
- ☐ 33-00514 (**Lebanon** Civic Memorial Field)
- ☐ 33-00568 (Connecticut Riverfront – **Lebanon**)
- ☐ 33-00630 (Riverside Community Park – **Lebanon**)

3/6/07 Note:  
None of these  
Properties are  
located adjacent  
to the project area.  
JAE

However, upon review of the information provided in your memo, I find no significant impacts to the recreational value of the 6(f) property. Unless changes to the proposed project occur, no further approval is required from this office.

Feel free to contact me at 271-3556 or at [scolby@dred.state.nh.us](mailto:scolby@dred.state.nh.us), should you have any questions.

Exhibit G

**Jonathan Evans**

---

**From:** Shari Colby [scolby@dred.state.nh.us]  
**Sent:** Thursday, February 22, 2007 3:25 PM  
**To:** Jonathan Evans  
**Subject:** RE: Lebanon-Enfield, 13185B & D

Hi Jonathan

I just wanted to let you know that I sent out a map of project #33-00277 (Lebanon Community Gardens). This is located on Route 4. It doesn't look like it is the same stretch that the work will be completed in but I thought I would send it anyway.

Thank you  
Shari

Community Outreach Specialist  
Department of Resources and Economic Development  
Division of Parks and Recreation  
Planning Development and Outreach  
Phone: (603) 271-3556 Fax: (603) 271-3553  
Email: [scolby@dred.state.nh.us](mailto:scolby@dred.state.nh.us)

-----Original Message-----

**From:** Jonathan Evans [mailto:JEvans@dot.state.nh.us]  
**Sent:** Thursday, February 22, 2007 9:51 AM  
**To:** Shari Colby  
**Subject:** RE: Lebanon-Enfield, 13185B & D

Shari,

That's OK. All I really need to know is if any of these properties abut up against NH Route 4A. If not, then I know that we will not be impacting them. If they do, then I do need a map. This project will be almost entirely within the existing right of way, so unless there are any properties directly adjacent to the roadway, we will not have any impacts. I suspect that the properties you noted are elsewhere in town rather than along the subject section of roadway.

In the future, maps might be helpful or at least a description of where the closest property of concern is. Usually our projects run fairly close to the existing right of way. So, based on the project description, you should be able to tell our rough area of impact and note the properties which may be impacted.

Thanks for your help.  
-Jon

-----Original Message-----

**From:** Shari Colby [mailto:scolby@dred.state.nh.us]  
**Sent:** Thursday, February 22, 2007 7:43 AM  
**To:** Jonathan Evans  
**Subject:** RE: Lebanon-Enfield, 13185B & D

Hi Jonathan

Sorry I have not gotten back to you it has been crazy for the past few weeks. I will try to have that information to you by the end of the day. Would you like the maps?

3/6/2007



Shari

Community Outreach Specialist  
Department of Resources and Economic Development  
Division of Parks and Recreation  
Planning Development and Outreach  
Phone: (603) 271-3556 Fax: (603) 271-3553  
Email: [scolby@dred.state.nh.us](mailto:scolby@dred.state.nh.us)

-----Original Message-----

**From:** Jonathan Evans [mailto:[JEvans@dot.state.nh.us](mailto:JEvans@dot.state.nh.us)]

**Sent:** Wednesday, February 14, 2007 12:14 PM

**To:** Shari Colby

**Subject:** Lebanon-Enfield, 13185B & D

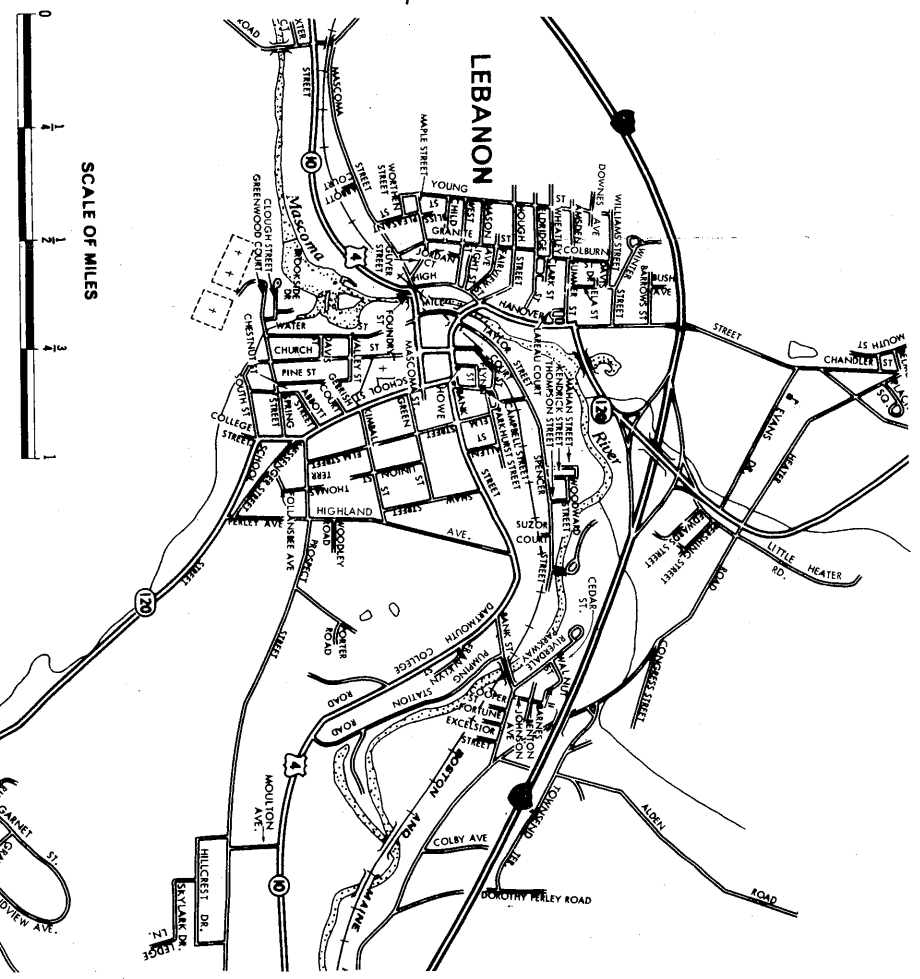
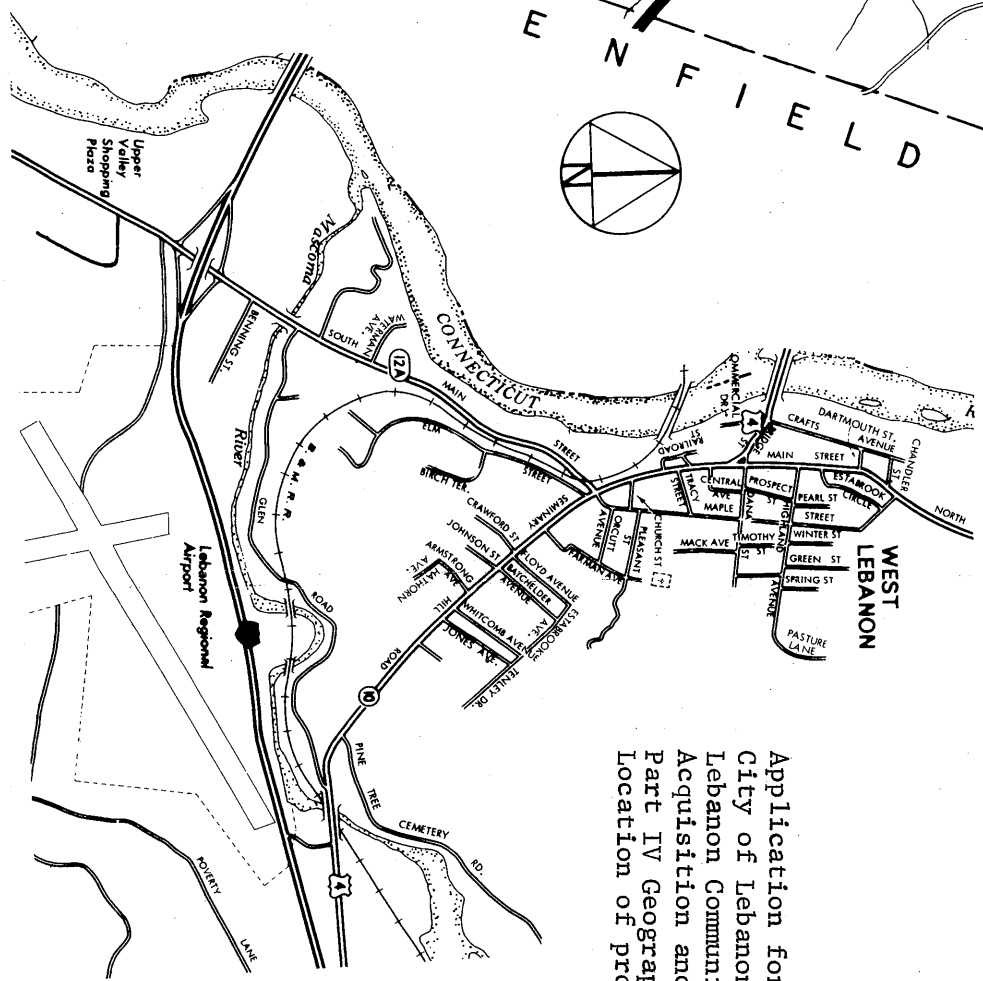
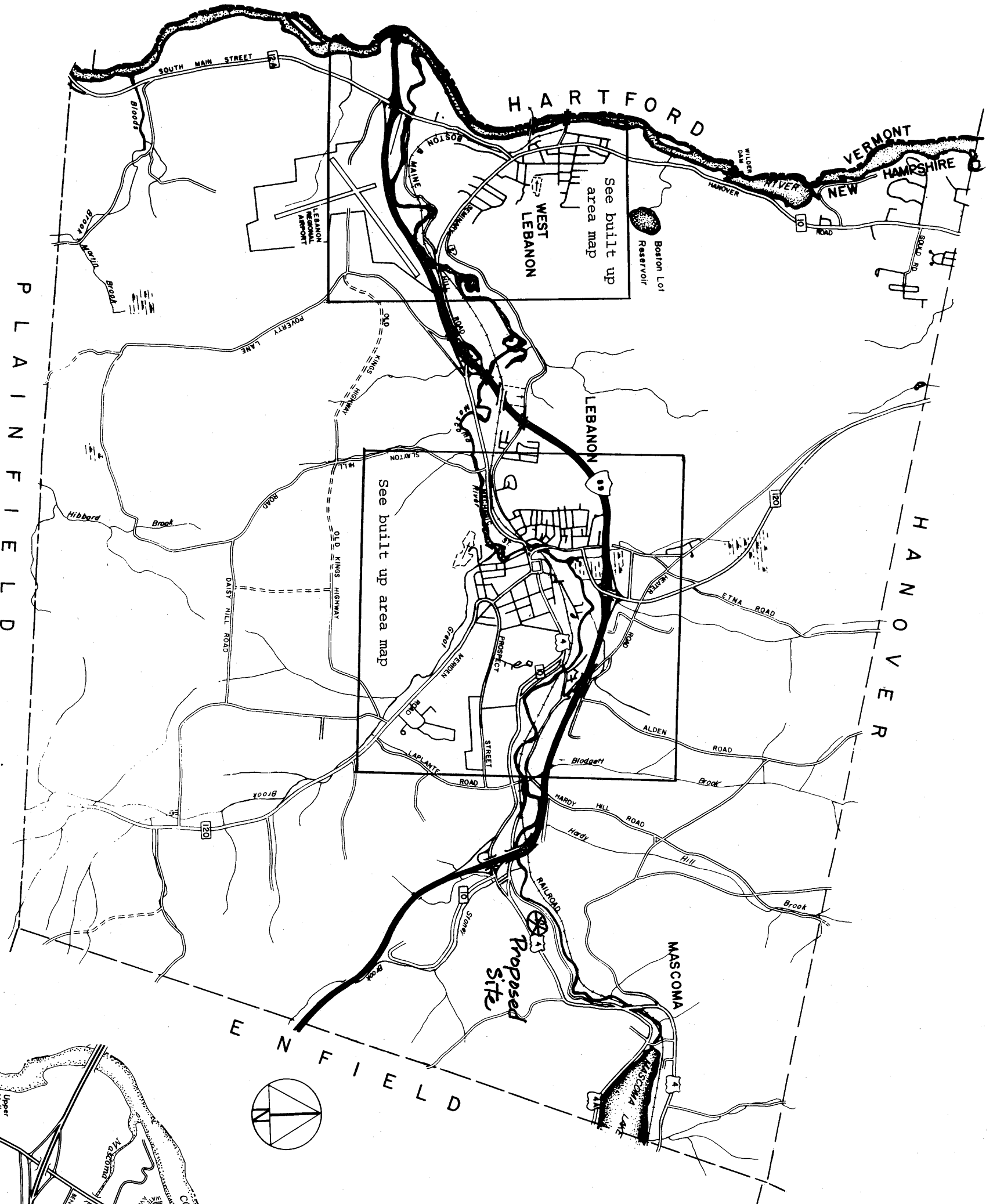
Shari,

Thank you for responding to my request for review of this project. In your letter dated 1/30/07 you noted 9, 6(f) properties within the towns of Lebanon and Enfield. Are any of these properties located within or adjacent to the subject project along NH Route 4A? I realize that you noted that this project does not appear to impact these properties however it would be helpful to know if we will be close to any of the properties you noted. Is there a website or other location which I could access to view maps of the locations of these 6(f) properties?

Thanks,  
Jon

~~~~~


Jonathan Evans
Environmental Manager
NH Department of Transportation
Bureau of Environment
Phone: (603)271-4048
Fax:(603)271-7199



Application for Federal Assistance
 City of Lebanon, New Hampshire
 Lebanon Community Garden
 Acquisition and Development
 Part IV Geographic Location-Map 2-
 Location of project in Lebanon

CITY
 OF
LEBANON
 NEW HAMPSHIRE
 GRAFTON COUNTY

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
INTER-OFFICE COMMUNICATION

DATE: February 21, 2007
FROM:  David Chandler, Chief of Labor Compliance
TO: Jonathan Evans, Environmental Manager
RE: Environmental Justice Population Analysis, Project: Lebanon-Enfield,
13185-B and 13185-D, X-A000(527)

The attached analysis and recommendations are provided pursuant to Title VI of the Civil Rights Act of 1964 and Executive Order 12898. The intent of these statutes is to ensure fair and full participation and the equal receipt of benefits under Federally-assisted programs. Your efforts in disseminating and carrying out the attached recommendations will minimize the potential for disproportionate impact on protected groups (EJ Populations).

The table entitled "EJ Population Analysis" is a comparison of protected groups identified within the project and surrounding areas. Project personnel should use this analysis to determine whether or not adverse impacts (if any) have a disproportionate affect on identified EJ populations. Where any adverse affect falls disproportionately on a protected population, project personnel should seek to avoid, mitigate, or minimize such impacts. Based the availability of information and where appropriate, we have included specific outreach recommendations to facilitate public comment from underrepresented groups.

If you have questions regarding this analysis, please contact me @ 271-2467.

encls: EJ Population Analysis

cc: Peter Crouch, Bureau of Traffic
Alex Vogt, Bureau of Highway Design

Exhibit H

Surrounding Area: All Block Groups immediately adjacent to the impacted area.

Special Considerations: It is apparent that the minority population within the impacted area for Project 13185-B is relatively significant. However, the available data was vague and, therefore, insufficient to be of any use in targeting public outreach efforts.

Special consideration should be given to all features that affect pedestrian accessibility. This project constitutes an alteration in accordance with Title II of the Americans with Disabilities Act. As such, minimum ADAAG accessibility requirements apply, unless deemed technically infeasible. For more information go to: <http://www.access-board.gov/prowac/status.htm> or contact me at extension 2467.

Outreach Recommendations: N/A

3/6/07 Note:

- There are no populations of concern located within the project area of the 13185D project.

JAL

Memo

To: Jonathan Evans, NH Department of Transportation
7 Hazen Drive
PO Box 483
Concord, NH 03302-0483

From: Melissa Coppola, NH Natural Heritage Bureau
Date: 2/20/2007 (valid for one year from this date)
Re: Review by NH Natural Heritage Bureau
NHB File ID: NHB07-0003
Project type: Roads, Driveways, Bridges: Guardrail
installation, etc.

Town: Enfield
Location: NH Route 4A

cc: Kim Tuttle

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results.

Comments:

Vertebrate species

State ¹	Federal	Notes
T	--	Contact the NH Fish & Game Dept (see below).

¹Codes: "E" = Endangered, "T" = Threatened, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list. An asterisk (*) indicates that the most recent report for that occurrence was more than 20 years ago.

Contact for all animal reviews: Kim Tuttle, NH F&G, (603) 271-6544.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. For some purposes, including legal requirements for state wetland permits, the fact that no species of concern are known to be present is sufficient. However, an on-site survey would provide better information on what species and communities are indeed present.

3/6/07 Note:
- This project is limited to resurfacing and minor shoulder widening. Given the limited scope of work and the distance to the nearest known location of the Common Loon, it is not expected that this project will negatively affect this state threatened species. JAL

Department of Resources and Economic Development
Division of Forests and Lands
(603) 271-2214 fax: 271-6488

DRED/NHB
PO Box 1856
Concord NH 03302-1856

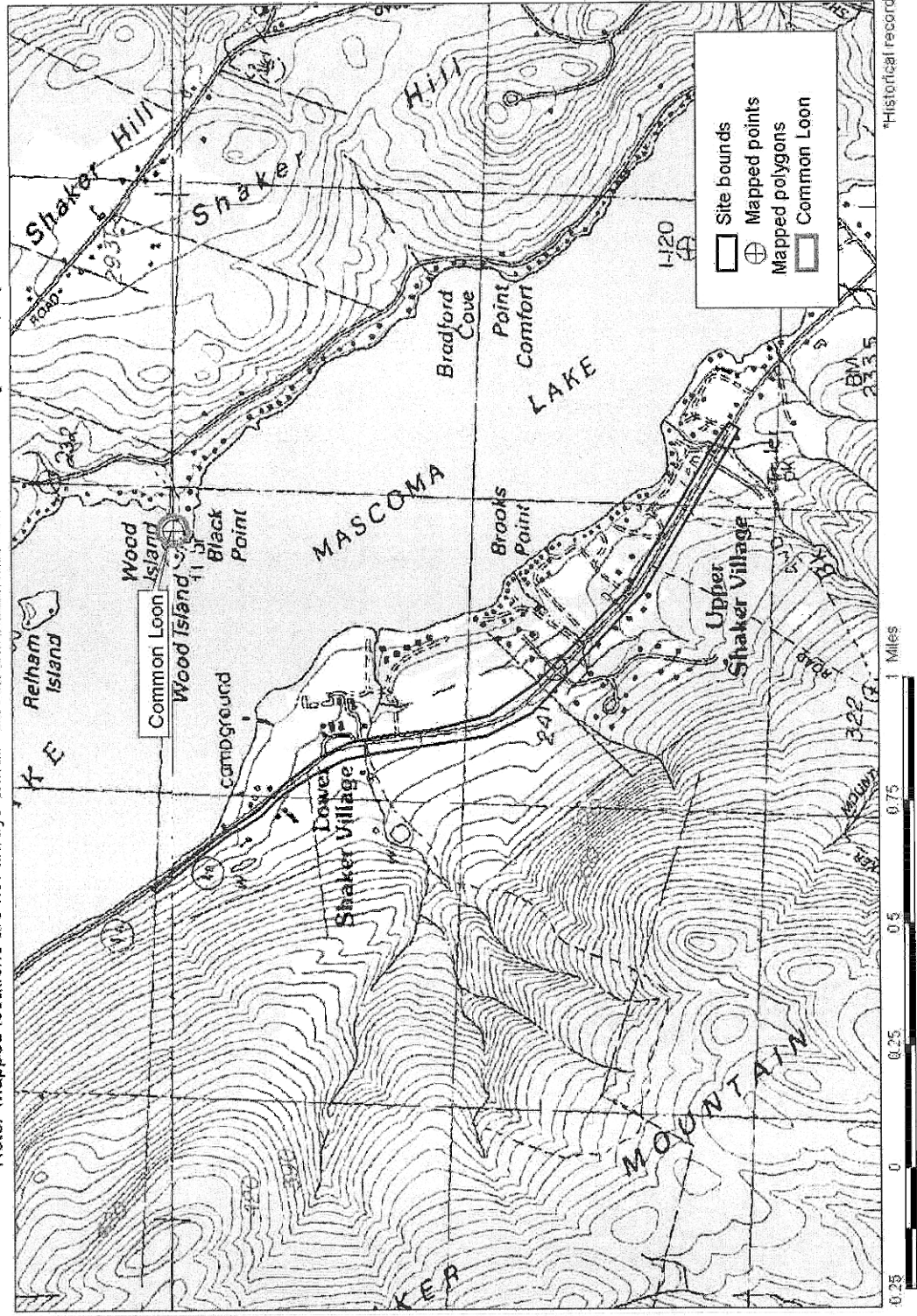
NHB07-0003



NH NATURAL HERITAGE BUREAU

Known locations of rare species and exemplary natural communities

Note: Mapped locations are not always exact. Occurrences that are not in the vicinity of the project are not shown.



1:18000

Valid for one year from this date: 20 Feb. 2007

*Historical record

New Hampshire Natural Heritage Bureau - Animal Record

Common Loon (*Gavia immer*)

Legal Status	Conservation Status
Federal: Not listed	Global: Demonstrably widespread, abundant, and secure
State: Listed Threatened	State: Not ranked (need more information)

Description at this Location

Conservation Rank: Not ranked
Comments on Rank:

Detailed Description: 2005: Area 3440M: pair, 1 hatched and survived.2004: Area 3440M: pair, nest.2003: Area 3440M: pair, nest and eggs.2001-2002: 1 adult.

General Area:
General Comments: LPC territory NHT0634.
Management
Comments:

Comments: **Location**

Survey Site Name: Mascoma Lake
Managed By:

County: Grafton	USGS quad(s):
Town(s): Enfield	Lat, Long: 433730N, 0720817W
Size: 1.9 acres	Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions:

Dates documented

First reported: 2003-05-20	Last reported: 2005-07-15
----------------------------	---------------------------



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087



February 23, 2007

Reference:	Project	Location
	Road rehabilitation	Lebanon-Enfield, NH, 13185B, 13185D, X-A000(527)
	Road rehabilitation	Epping-Exeter, NH, 14799
	Road rehabilitation	Ossipee, NH, 14434
	Road improvements	North Hampton, NH, 13501, STP-TE-X000S(418)
	Road rehabilitation	Cambridge, NH, 14805
	Bridge replacement	Lebanon, NH, 13951, X-A000(141)

Jonathan Evans, Darrel Elliott
NH Dept. of Transportation
P.O. Box 483
Concord, NH 03302-0483

Dear Messrs. Evans and Elliott:

This responds to your recent correspondence requesting information on the presence of federally-listed and/or proposed endangered or threatened species in relation to the proposed activity(ies) referenced above.

Based on information currently available to us, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required.

This concludes our review of listed species and critical habitat in the project location(s) and environs referenced above. No further Endangered Species Act coordination of this type is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your coordination. Please contact us at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Anthony P. Tur
Endangered Species Specialist
New England Field Office

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FEB 23 2007

NH DEPARTMENT OF
TRANSPORTATION

Exhibit J

NH GRANIT DATA MAPPER

Floodplains (DFIRMs): Enfield, 13185D, X-A000(527)



Location Map



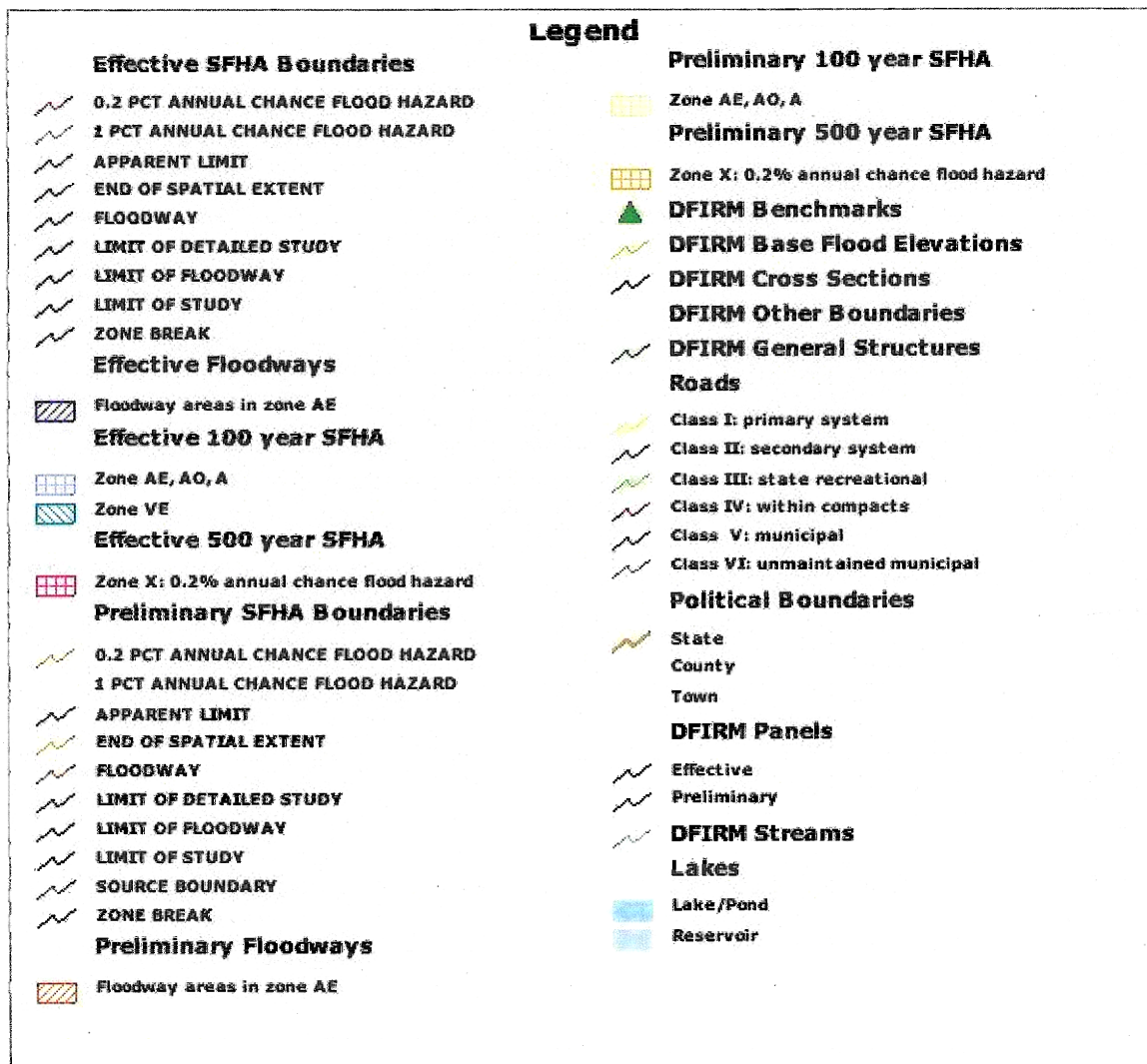
Map Produced:
March 06, 2007



Exhibit K

NH GRANIT DATA MAPPER

Floodplains (DFIRMs): Enfield, 13185D, X-A000(527)



Data Sources

All data are maintained and/or distributed by NH GRANIT. See www.granit.sr.unh.edu for detailed documentation on individual data layers.

Digital data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center, under contract to the NH Office of Energy and Planning, and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OEP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.



JOHN H. LYNCH
GOVERNOR

COPY

STATE OF NEW HAMPSHIRE

OFFICE OF ENERGY AND PLANNING

57 Regional Drive, Suite 3
Concord, NH 03301-8519
Telephone: (603) 271-2155
Fax: (603) 271-2615



www.nh.gov/oep

MEMORANDUM

TO: Jonathan Evans

FROM: Jennifer Gilbert, Assistant State Coordinator
National Flood Insurance Program

DATE: February 1, 2007

SUBJECT: Lebanon-Enfield, 13185B, 13185D, X-A000(527)

I am writing in reference to your letter dated January 24, 2007 regarding the above-referenced project.

I have reviewed and attached the Flood Insurance Rate Map (Panel 5) for the proposed project and have included my comments below.

- Project 13185D appears to cross through three floodplain areas (Zone AE) associated with Mascoma Lake.
- Project 13185B appears to be located near a floodplain area (Zone AE) associated with Mascoma Lake.

Since the Town of Enfield is a participating community of the National Flood Insurance Program (NFIP), any development in a special flood hazard area should meet the NFIP requirements contained in the town's floodplain management ordinance. Development is defined under the NFIP as "any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations or storage of equipment or materials."

OEP is not authorized by the Federal Emergency Management Agency (FEMA) to make final determinations on the impacts of floodplain development. The NH Department of Transportation (DOT) should use its best judgment in determining if further study is necessary. If DOT feels that the proposed construction will have a negligible effect on flooding dynamics then additional coordination with FEMA is likely not necessary.

If you need further assistance, please contact me at 271-2155 or jennifer.gilbert@nh.gov.

Thank you.

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FEB 02 2007

NH DEPARTMENT OF
TRANSPORTATION **Exhibit L**

TDD Access: Relay NH 1-800-735-2964

ZONE X

ZONE X

ZONE X

ZONE X

SHAKER

BOULEVARD

Brook

Smith

Pond

Brook

4A

MASCOMA
LAKE
PADDLE
POINT

ZONE X

4A

ZONE A

MASCOMA

MOORE
ISLAND
BLACK
POINT



Town of Enfield

Department of Public Works
74 Lockehaven Road, P.O. Box 373
Enfield, New Hampshire 03748
VOICE/TDD 603-632-4605 * FAX 603-632-7391
EMAIL kdaniels@enfield.nh.us

February 6, 2007

Jonathan Evans
Environmental Manager
NH Department of Transportation
Bureau of Environment
7 Hazen Drive, PO Box 483
Concord, NH 03302-0483

Re: Lebanon-Enfield, 13185D, X-A000(527)

Dear Jonathan:

The Town of Enfield, specifically the Board of Selectmen, the Town Manager, the Director of Public Works and the Recreational Director have reviewed the NH Department of Transportation's proposal to secure two drainage easements, totaling approximately 4,000 square feet, on the Shaker Recreation Park. It is understood that these easements are needed to update and properly maintain pre-existing drainage structures and are not expected to change the overall drainage of this property.

As the officials with jurisdiction over recreation within the Town of Enfield as well as operation of the Shaker Recreation Park and for the reasons noted above we do not object to the acquisition of two drainage easements on this property. The proposed project and subsequent drainage easements will not adversely affect the activities, features, and attributes of the Shaker Recreation Park.

Please consider this letter to be approval from the Town of Enfield to proceed with the acquisition of the proposed drainage easements on the Shaker Recreation Park.

Sincerely

Steve Schneider
Town Manager

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FEB 26 2007

**NH DEPARTMENT OF
TRANSPORTATION**

Assessing 632-4201 * Building & Health 632-4343 * Library 632-7145 * Planning & Zoning 632-4067
Police (non-emergency) 632-7501 * Public Works 632-4605 * Selectmen's Office 632-4201
Tax Collector 632-4201 * Town Manager 632-4201 * Town Clerk 632-5001
Water & Sewer Billing 632-4201 * Welfare 632-4201

Jonathan Evans

From: Ken Daniels [kdaniels@enfield.nh.us]
Sent: Tuesday, January 30, 2007 10:51 AM
To: Jonathan Evans
Cc: Jim Taylor; Richard Crate Jr.; sschneider@enfield.nh.us; 'Nancy Scovner'; Roger Labonte; bprior@enfield.nh.us; Leroy Neily
Subject: NHDOT Projects 13185B & 13185D

Jonathan,

I have looked over your questioned contained in your letter dated January 24, 2007 and have a few things you may want to look into further.

In regards to question two I offer the following:

There is an old Shaker Cemetery in the vicinity of the Cogswell Way intersection on the North side of 4A at the end of the project 13185D. Rumor has it that these stones were placed there during the original realignment of Route 4A and that the actual burial site is located under the now existing roadway. I have no data to back this up but it has been mentioned in discussions before and should probably be looked into to prove it wrong or right and bring closure to the rumors.

There is also an old stone foundation and remnants of an old way on the South side of 4A approximately 500 to 700 feet from the Cogswell way intersection and nearly across from Bonardi Drive that may be of interest.

In regards to question 3 I offer the following:

Shaker Recreation Park is located on the North side of project 13185D near the midpoint of the project. Opposite this park are to the South is the NH Fish & Game Wildlife Management area also. Furthermore, in this immediate area, to address question 4, is the public water supply wells for the Shaker Village development area.

In regards to question 5 I offer the following:

On the North side for the entire length of the project is Mascoma Lake which supplies water to the City of Lebanon via the Mascoma River and the Lake Association has been working hard to preserve the integrity of the Lake, Therefore, care should be taken regarding the quality of runoff being introduced to the Lake.

I hope this information is of assistance and if you have any further questions please do not hesitate to contact me at your convenience.

Sincerely,

Ken Daniels
Director of Public Works
Town of Enfield
PO Box 373
Enfield, NH 03748
P (603) 632-4605
F (603) 632-7391

3/6/07
Notes:

- these areas have been reviewed with MHDHR and the Cultural Resource Program manager. Archaeological investigations were conducted and findings/commitments have been included in the no adverse effect Memo
- Impacts to the Shaker recreation park have been reviewed with the town and are not expected to adversely affect the activities, features and attributes of the park. A finding of de minimis effect is expected for impacts to this park
- A Stormwater Pollution Prevention plan will be prepared.

JKR

Jonathan Evans

From: Nate Miller [nmiller@uvlsrpc.org]
Sent: Thursday, February 08, 2007 4:48 PM
To: Jonathan Evans
Subject: UVLSRPC Comments on Enfield Projects 13185B and 13185D

Jonathan,

The Upper Valley Lake Sunapee Regional Planning Commission respectfully submits the following comments regarding Lebanon-Enfield projects 13185B and 13185D:

1) Regarding wildlife/waterfowl refuges in the vicinity of the project:

The Lower Shaker Village Wildlife Management Area is a large tract of conserved land that surrounds Route 4A throughout much of the project area. The Lower Shaker Village WMA begins northwest of the intersection of Route 4A/Main St. and ends at approximately Route 4A/Bud Mill Road.

2) Regarding natural or cultural resources of significance in the vicinity of the project:

The projects will impact the Shaker Village area of Enfield, an important cultural resource with historical and archeological significance.

3) Regarding water quality concerns that should be addressed during the development of the project:

Mascoma Lake is a regionally significant water resource, and serves as the drinking water supply for the City of Lebanon. Given that Route 4A runs along the Mascoma Lake shore throughout much of the project area. Thus, there are a number of water quality concerns. During project design, engineering measures should be employed that mitigate potential runoff impacts. Stormwater management will be a significant concern.

4) Regarding public parks or recreation areas in the project vicinity:

There is a public recreation area (beach) located in the vicinity of the Route 4A/Main Street intersection.

These projects are relatively simple in scope, as they are primarily a rehabilitation of the roadway and addition of shoulders. I think that the addition of 4' shoulders would be a positive, especially for the many recreational cyclists who use Route 4A. The biggest environmental concern is clearly the proximity of Route 4A to Mascoma Lake. This project needs to strike a balance between providing a measure of safety for travelers on Route 4A, and mitigating any potential impacts to Mascoma Lake. I think that balance can be struck effectively with this project as long as the expansion of the road is kept to a minimum (4' shoulders only) and effective engineering design controls are in place to mitigate impacts to Mascoma Lake.

Respectfully Submitted,

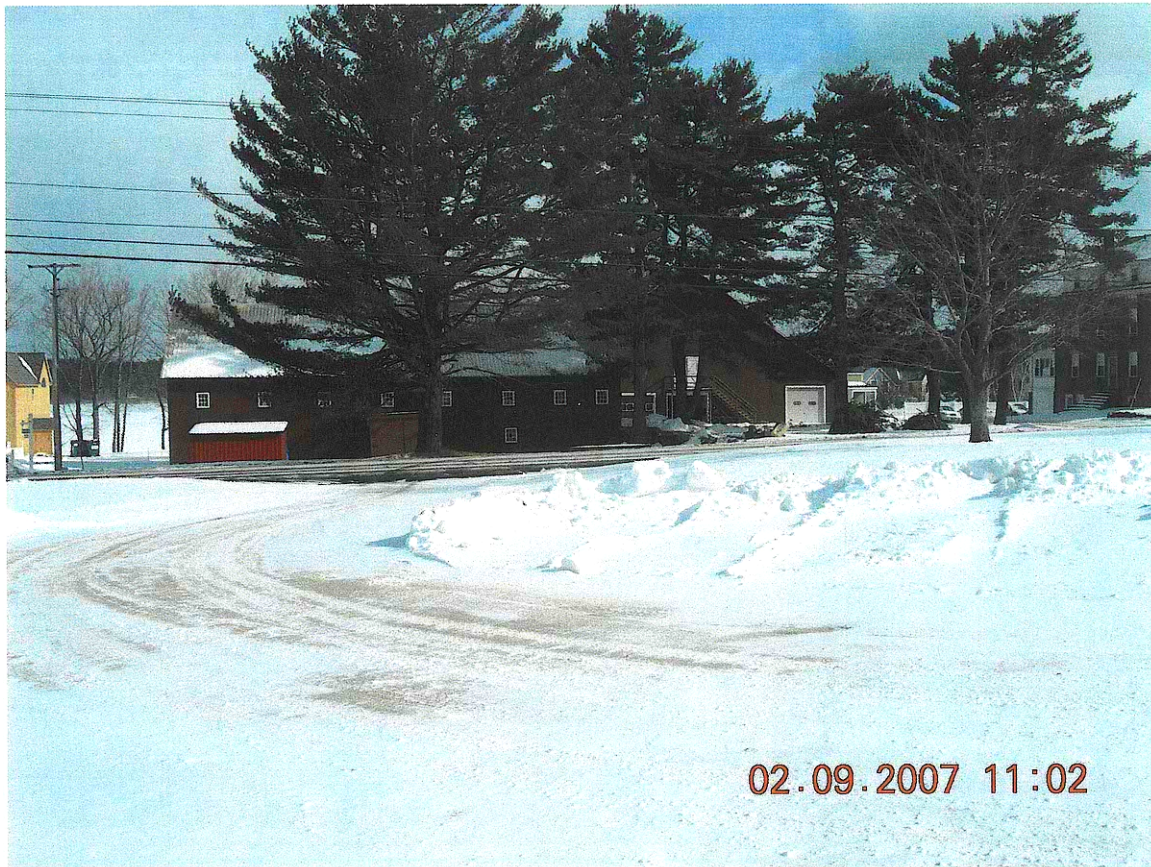
Nathan Miller
Planner

Nathan Miller, Planner
Upper Valley Lake Sunapee
Regional Planning Commission
30 Bank Street
Lebanon, NH 03766
(T) 603-448-1680
(F) 603-448-0170
nmiller@uvlsrpc.org

Exhibit M1

3/7/2007

Historic structures to be examined and/or monitored for vibration.



Parcel 7



Parcel 8

Historic structures to be examined and/or monitored for vibration.



Parcel 1. Monitor stone building only.



Parcel 11. Monitor stone building only. (Known to be structurally unstable)

Historic structures to be examined and/or monitored for vibration.



Parcel 12. Monitor all three buildings. (4 story building known to be structurally unstable)



Parcel 13.

Historic structures to be examined and/or monitored for vibration.



Parcel 29. This structure only.



Northern end of project looking south.



Historic structure located on Parcel 8.



Shaker Village Recreational park on the left, LCIP/NHF&G conservation property on right.



Roadside drainage ditch to be reconstructed.



Station 152+00 Rt. (western side of the bridge). To be monitored for archaeology.



Station 152+00 Rt. Bridge to be rehabilitated during project.



Station 154+10 Shaker Village Recreational Park. Area of drainage easement.



Station 156+50 Lt. Shaker Village Recreational Park. Area of drainage easement.



Parcel 15. LCIP/NHF&G conservation property.



Station 161+10 Lt. To be monitored for archaeology.



Station 161+60 Lt. To be monitored for archaeology.



164+25 Lt. To be monitored for archaeology.



Southern end of project looking north.